

Amendments to the Abstract:

Please replace the previously submitted abstract with the following abstract.

Abstract

The present invention relates to a porous film comprising metal oxide particles and to a sample holder using the film. The invention also relates to a method of preparation for the sample holder involving applying a porous film comprising metal oxide particles to a substrate. The invention also relates to the application of the sample holder as well as to a method of detecting phosphorylated/sulphated biopolymers, specifically peptides/ proteins, by applying a sample to the sample holder and performing mass spectrometry on the sample.